

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
25 August 2005 (25.08.2005)

PCT

(10) International Publication Number  
**WO 2005/077860 A1**

(51) International Patent Classification<sup>7</sup>: **C05B 15/00**,  
C05F 3/00, C05G 5/00

(21) International Application Number:  
PCT/CA2005/000221

(22) International Filing Date: 18 February 2005 (18.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
10/779,637 18 February 2004 (18.02.2004) US

(71) Applicant (for all designated States except US): **UNIVERSITÉ DE LAVAL** [CA/CA]; Cité Universitaire, Québec, Québec G1K 7P4 (CA).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **PARENT, Léon-Étienne** [CA/CA]; 253, rue des Grives, Saint-Nicolas, Québec G7A 3G6 (CA). **ALLAIRE, Suzanne** [CA/CA]; 1954, rue St-Exupéry, Ancienne-Lorette, Québec G2E 4Y1 (CA). **KHIARI, Lotfi** [CA/CA]; 2629, rue du Mont-Joli, Sainte-Foy, Québec G1V 1C4 (CA). **KARAM, Antoine** [CA/CA]; 1498, boul. La Morille, Apt. 202, Québec, Québec G2K 1P5 (CA).

(74) Agent: **OGILVY RENAULT**; 1981, McGill College Avenue, Suite 1600, Montréal, Québec H3A 2Y3 (CA).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ORGANO PHOSPHATIC FERTILIZER

(57) Abstract: The present invention relates to an organo-phosphatic fertilizer that comprises 40% to 90% of treated pig manure and 10% to 60% of a mineral fertilizer. The present invention also relates to a method for managing pig manure. The method of the present invention comprises sequentially or concomitantly treating and dehydrating the pig manure, mixing the treated and dehydrated pig manure with a mineral fertilizer in a proportion of 40% to 90% of pig manure for 10% to 60% of mineral fertilizer and pelletizing the mixture obtained therefrom.



WO 2005/077860 A1